

Applicant : Winston I. Way  
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Amendments to the Specification:

1. Please replace the paragraph beginning at page 7, line 8 with the following amended paragraph:

An optical demultiplexer or coupler 26 receives sub-wavelengths 16 from optical fiber 24 and passes them to a plurality of optical receivers 28. Suitable optical demultiplexers 26 include but are not limited to array-waveguide demultiplexers based on silicon, or bulk grating-based demultiplexers. Suitable couplers 26 include but are not limited to fused fiber couplers, silicon-on-silica couplers, and the like. Transmitters 28 can be tunable or non-tunable.

Accordingly, the receivers 28 can be wavelength-tunable or not wavelength-tunable. An electronic multiplexer 30, at the receiving end, can be included and positioned to receive sub-wavelengths 18 from receivers 28. Electronic multiplexer 30 converts data rates of sub-wavelengths 16 back to the first data rate of optical input 16.